

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

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			WIPO P	CT			
Applicant's or agent's file reference P208175PCT DVR/jdo	FOR FURTHER ACTION	See Notification Preliminary Exa	of Transmittal of Internation mination Report (Form PC	(TAPEA/416)			
International application No. PCT/NL 03/00517	International filing date (day/mor 15.07.2003	nth/year)	Priority date (day/month/y 15.07.2002	rear)			
International Patent Classification (IPC) or b F03D1/04	oth national classification and IPC						
Applicant STICHTING ENERGIEONDERZOR	EK CENTRUM NEDERLAN	D et al					
This international preliminary exa Authority and is transmitted to the	mination report has been prep applicant according to Article	ared by this Inte 36.	rnational Preliminary Ex	camining			
2. This REPORT consists of a total of 5 sheets, including this cover sheet.							
This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).							
These annexes consist of a total	These annexes consist of a total of 1 sheets.						
3. This report contains indications relating to the following items:							
I ⊠ Basis of the opinion							
II 🖂 Priority							
III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability							
IV. Cl. Look of unity of invention							
V 🗵 Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability, citations and explanations supporting such statement							
	VI ☐ Certain documents cited						
VII Gertain defects in th	e international application						
VIII Certain observations	s on the international application	on .					
		<u> </u>					
Date of submission of the demand	Dat	e of completion of	this report				
13.02.2004	03	.09.2004					
Name and mailing address of the internal preliminary examining authority:	tional Aut	horized Officer		Southern Petenson, E			
European Patent Office D-80298 Munich	Av	ramidis, P					
Tel. +49 89 2399 - 0 Tx: 57 Fax: +49 89 2399 - 4465	23656 epmu d Te	lephone No. +49 8	9 2399-7317	2 April 100 april 100			

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/NL 03/00517

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1.	DO:	515	U.	uic	I CPC	۰

1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	Desc	cription, Pages					
	1-21		as originally filed				
	Clair	ms, Numbers					
		iis, itambere	as originally filed				
	2-31 1		received on 16.07.2004 with letter of 15.07.2004				
	•						
	Drav	wings, Sheets					
	1/15	-15/15	as originally filed				
2.	. With regard to the language , all the elements marked above were available or furnished to this Authority in language in which the international application was filed, unless otherwise indicated under this item.						
	These elements were available or furnished to this Authority in the following language: , which is:						
☐ the language of a translation furnished for the purposes of the international search (under Rule 23.10							
			cation of the international application (under Rule 48.3(b)).				
		Rule 55.2 and/or 55.3	·				
3.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:						
	contained in the international application in written form.						
		filed together with the	e international application in computer readable form.				
		tly to this Authority in written form.					
		in the international application as filed has been furnished.					
		The statement that the listing has been furni	ne information recorded in computer readable form is identical to the written sequence ished.				
4.	The	amendments have re	esulted in the cancellation of:				
		the description,	pages:				
		the claims,	Nos.:				
		the drawings,	sheets:				

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5. L. This	s report has been established as if (so en considered to go beyond the disclos	sure as file	d (Rule 70.2(c	i)).	,cii iilaac,	on loo trioy	1.410
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(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1-31

1. Statement

Novelty (N) Yes: Claims

No: Claims

Inventive step (IS) Yes: Claims 1-31

No: Claims

Industrial applicability (IA) Yes: Claims 1-31

No: Claims

2. Citations and explanations

see separate sheet

Re Item V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

The present invention relates to a method and an assembly by means of which energy can be extracted from flowing fluid according to the preamble of claim 1 and claim 17 respectively.

Optimisation of a multirotor wind energy system has been discussed, for example in XP008022904 (D1).

Wind farms are expensive and therefore it is important that the production of the farms is high in order to justify the cost. Due to interference the production of the subsequent wind turbines is lower compared to the upstream turbines (shadow loss).

The object of the invention is to reduce the shadow effect or interference which causes the shadow loss and consequently increase the production of the wind farm.

With the characterising features of claim 1, i.e. that guiding devices feed fast flows that are not too far away from the assembly through the wind farm, the production of the whole wind farm can be increased.

None of the prior art documents which have become known to this Authority discloses all the features of independent claim 1.

Furthermore, the solution to the above mentioned problem in claim 1 of the present application is considered as involving an inventive step (Article 33(3) PCT) since it is not taught or suggested by the prior art documents.

Claims 2-16 are dependent on claim 1 and as such also meet the requirements of the PCT with respect to novelty and inventive step.

Independent claim 17 claims the corresponding assembly and claims 18-31 are dependent on claim 17 and as such they also meet the requirements of the PCT with respect to novelty and inventive step.

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EXAMINATION REPORT - SEPARATE SHEET

Therefore, the present application meet the requirements of Article 33(2) and (3) PCT, because the subject-matter of claims 1-31 is new and involves an inventive step.

Further remarks:

The features of the claims are not provided with reference signs placed in parentheses (Rule 6.2(b) PCT).

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New claim

1. Method for extracting energy from a flowing fluid, in particular from (sea)water and/or wind flows, using an assembly of devices positioned close to one another, characterised in that a guiding device of said assembly is set with respect to said fluid flow in such a way that as a result forces with a component perpendicular to the undisturbed direction of flow are exerted, such that fluid with higher kinetic energy or with lower kinetic energy, compared with the normal situation in which said force component is lacking, is guided through an energy-extracting device of the assembly.